My reproducible thesis

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Word Count: enter manually here (see console output!)

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Abstract

One or two sentences providing a **basic introduction** to the field, comprehensible to a scientist in any discipline.

Two to three sentences of **more detailed background**, comprehensible to scientists in related disciplines.

One sentence clearly stating the **general problem** being addressed by this particular study.

One sentence summarizing the main result (with the words "**here we show**" or their equivalent).

Two or three sentences explaining what the **main result** reveals in direct comparison to what was thought to be the case previously, or how the main result adds to previous knowledge.

One or two sentences to put the results into a more **general context**.

Two or three sentences to provide a **broader perspective**, readily comprehensible to a scientist in any discipline.

Keywords: keywords

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Introduction

Replicability used to be equated with reproducibility, eg. by the Open Science Collaboration (2015) .

Some scholars argue, that we should embrace our fallibility and correct our mistakes (for example, (Bishop, 2018)).

More ways to cite, e.g. providing only the year (2015) or putting multiple citations in a row which will be sorted automatically (Bishop, 2018; Open Science Collaboration, 2015)

The thing that starts with is a citekey. The citekeys are used to identify the correct reference information in your .bib file.

You can generate readable and/or unique citekeys in eg. Zotero.

Caution: when using RStudio visual editor for inserting citations, it automatically adds another bibliography section to the YAML header, which will throw errors is you have already defined your bibliography above.

Methods

We report how we determined our sample size, all data exclusions (if any), all manipulations, and all measures in the study.

Participants

Material

Procedure

Data analysis

Analyses were done with R [Version 4.0.3; R Core Team (2020)] and the R-packages *papaja* [Version 0.1.0.9997; Aust and Barth (2020)], and *tinylabels* [Version 0.2.0; Barth (2021)]

Results

Discussion

References

Aust, F., & Barth, M. (2020). *papaja: Prepare reproducible APA journal articles with R Markdown*. Retrieved from https://github.com/crsh/papaja

Barth, M. (2021). *tinylabels: Lightweight variable labels*. Retrieved from https://github.com/mariusbarth/tinylabels

Bishop, D. V. M. (2018). Fallibility in Science: Responding to Errors in the Work of Oneself and Others. *Advances in Methods and Practices in Psychological Science*, *1*(3), 432–438. https://doi.org/10.1177/2515245918776632

Open Science Collaboration. (2015). Estimating the reproducibility of psychological science. *Science*, *349*(6251), aac4716–aac4716. https://doi.org/10.1126/science.aac4716

R Core Team. (2020). *R: A language and environment for statistical computing*. Vienna, Austria: R Foundation for Statistical Computing. Retrieved from https://www.R-project.org/